

VAS Taq Blue Master Mix

Cat. No. : **BN0200-0125**

Concentration : 2X

Volume : 1 ml

Storage : -20 °C

Description

The Taq master Mix Blue is a ready-to-use, 2X concentrated premix that contains all the reagents (except primers and template) need for running PCR. Simply add primers · template and water to successfully carry out PCR. Taq master Mix Blue offers several advantages. Set up operation and time are significantly reduced. The chance of contaminating component stocks is eliminated. Reduction of reagent handling steps leads to better reproducibility. An inert blue dye and a stabilizer are also present to allow direct loading of the final products on to a gel for analysis.

Content

2X Taq master Mix containing:

- Taq DNA polymerase
- Inert blue dye and a stabilizer
- dNTP mix including dATP · dCTP · dGTP · dTTP
- 3 mM MgCl₂

General reaction mixture for PCR (total 25µl)

1. Set up each reaction as follows:

Component	Volume / reaction	Final conc.
Taq master mix	12.5 µl	1X
Forward Primer	variable	0.2~1.0µM
Reversed Primer	variable	0.2~1.0µM
Template DNA	< 1µg	
H ₂ O	up to 25.0 µl	

2. Mix the solution thoroughly by pipetting up and down.
3. Program the thermal cycler according to the manufactures instructions.
4. Place the tubes in the thermal cycler and start the reaction.

Optimized Cycling Protocol

Initial activation step:	1 min	95°C
3-step cycling	0.5 min	94°C
Denaturation:		
Annealing:	0.5 min	50~68°C
Extension:	1 min (1kb)	72°C
Number of cycles:	35~40	
Final extension:	3 min	72°C

PCR performance test

Activity of PCR is confirmed by using 10³ copies plasmid as the template (amplified fragment: 450 bp).